Please type a plus sign (+) inside this box [+]

PTO/SB/05 (2/98)

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	501333.01	October 9, 2003
First Inventor or Application Identifier	Aar n M. Schoenfeld	
Title	CIRCUIT AND METHOD FOR CONTROLLING A CLOCK SYNCHRONIZING CIRCUIT FOR LOW POWER REFRESH OPERATION	
Express Mail Label No.	EL 872099315 US	

22278 U.S. PTO 10/684123 100903

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. [X] Fee Transmittal Sheet (+ copy) *(Submit an original and a duplicate for fee processing)*
2. [ ] Applicant(s) Claim(s) Small Entity Status
3. [X] Specification [Total Pages] 28 *(preferred arrangement set forth below)*
   - Descriptive Title of the Invention
   - Cross References to Related Applications
   - Statement Regarding Fed sponsored R & D
   - Reference to Microfiche Appendix
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings *(if filed)*
   - Detailed Description
   - Claim(s)
   - Abstract of the Disclosure
4. [X] Drawing(s) *(35 USC 113)* [Total Sheets] 4
5. [X] Oath or Declaration [Total Pages] 2
   a. [X] Newly executed (original or copy)
   b. [ ] Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional with Box 18 completed)*
      i. [ ] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. [X] Application Data Sheet (37 C.F.R. 1.76)
7. [ ] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. [ ] Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
   a. [ ] Computer-Readable Form (CRF)
   b. [ ] Specification Sequence Listing on:
      i. [] CD-ROM or CD-R (2 copies); or
      ii. [] paper
   c. [ ] Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. [ ] Certification Under 35 U.S.C. 122(b)(2)(B)(i)
10. [X] Assignment Papers (cover sheet & document(s))
11. [X] 37 CFR 3.73(b) Statement *(when there is an assignee)* [X] Power of Attorney
12. [ ] English Translation Document *(if applicable)*
13. [ ] Preliminary Amendment Total Pages ____
14. [X] Return Receipt Postcard
15. [ ] Information Disclosure Statement (IDS)/PTO-1449 [ ] Copies of IDS Citations
16. [ ] Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
17. [X] Other: Certificate of Express Mail
    Check

18. **If a CONTINUING APPLICATION,** *check appropriate box and supply the requisite information below and in a preliminary amendment*

[ ] Continuation [ ] Divisional [ ] Continuation-In-Part (CIP) of prior Application No.:_____ Filed _____

Prior application information: Examiner _____ *Group / Art Unit* _____

[ ] Incorporation By Reference *(useable if box 5b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

CORRESPONDENCE ADDRESS

Kimton N. Eng, Esq.
Dorsey & Whitney LLP
1420 Fifth Avenue, Suite 3400
Seattle, Washington 98101-4010
(206) 903-8800 *phone* / (206) 903-8820 *fax*

Customer No. 27,076

TYPED or PRINTED NAME Kimton N. Eng REGISTRATION NO. 43,605

SIGNATURE Kimton N. Eng Date October 9, 2003

FEE TRANSMITTAL SHEET (FOR FY 200r)

Complete if Known	
Express Mail No.	EL 872099315 US
Filing Date	Concurrently Herewith
First Named Inventor	Aaron M. Schoenfeld
Group Art Unit	Not Yet Assigned
Examiner	Not Yet Assigned
Atty. Docket Number	501333.01

METHOD OF PAYMENT (Check One)

1. [X] The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2. [X] Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description
1001	770	2001	385	[X] Utility Filing Fee
1002	340	2002	170	[] Design Filing Fee
1003	530	2003	265	[] Plant Filing Fee
1004	770	2004	385	[] Reissue Filing Fee
1005	160	2005	80	[] Provisional Filing Fee

Subtotal (1) $ 770

2. EXTRA CLAIM FEES

	Current Claims		Prior	=	Extra	x	Fee	=	Fee Paid
Total	45	-	20	=	25	x	$ 18	=	$ 450
Ind.	7	-	3	=	4	x	$ 86	=	$ 344
Multiple Dependent Claims						x	$	=	$

Subtotal (2) $ 794

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent Claim
1204	86	2204	43	Reissue independent claims over original patent
1205	18	2205	9	Reissue claims in excess of 20 and over original patent

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee paid
1051	130	2051	65	Surcharge - Late filing fee or oath	$
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	$
1053	130	1053	130	Non-English specification	$
1812	2,520	1812	2,520	For Filing a Request for *ex parte* Reexamination	$
1804	920	1804	920	Requesting publication of SIR prior to Examiner action	$
1805	1,840	1805	1,840	Requesting publication of SIR after Examiner action	$
1251	110	2251	55	Extension for reply within first month	$
1252	420	2252	210	Extension for reply within 2nd month	$
1253	950	2253	475	Extension for reply within 3rd month	$
1254	1,480	2254	740	Extension for reply within 4th month	$
1255	2,010	2255	1,005	Extension for reply within 5th month	$
1401	330	2401	165	Notice of Appeal	$
1402	330	2402	165	Filing a brief in support of an appeal	$
1403	290	2403	145	Request for oral hearing	$
1814	110	2814	55	Terminal Disclaimer Fee	$
1452	110	2452	55	Petition to revive – unavoidable	$
1453	1,330	2453	665	Petition to revive – unintentional	$
1501	1,330	2501	665	Utility/Reissue issue fee	$
1502	480	2502	240	Design issue fee	$
1503	640	2503	320	Plant issue fee	$
1460	130	1460	130	Petitions to the Commissioner	$
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	$
1806	180	1806	180	Submission of IDS	$
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	$ 40
1801	770	2801	385	Request for Continued Examination (RCE)	$
Other fee (specify)					$

Subtotal (3) $ 40

Total Amount of Payment: $1604

Submitted by:

Name: Kimton N. Eng	Reg. No.: 43,605	Telephone: (206) 903-8800
Signature: Kimton Eng		Date: October 9, 2003

h:\ip\documents\clients\micron technology\1300\501333.01\501333.01 fee trans sheet.doc

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Aaron M. Schoenfeld and Ross E. Dermott — Attorney Docket No.: 501333.01

Filed : October 9, 2003

Title : CIRCUIT AND METHOD FOR CONTROLLING A CLOCK SYNCHRONIZING CIRCUIT FOR LOW POWER REFRESH OPERATION

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL 872099315 US, on October 9, 2003, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,
DORSEY & WHITNEY LLP

/ for West Courier

KNE:asw

Enclosures:

- Postcard
- Check
- PTO/SB/05 Utility Patent Application Transmittal
- Application Data Sheet
- Fee Transmittal Sheet (+ copy)
- General Authorization
- Specification, Claims, Abstract (28 pages)
- 4 Sheets of Drawings (Figures 1-5)
- Declaration
- Election and Power of Attorney
- Form PTO-1595
- Assignment

EXPRESS MAIL NO. EL872099315US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	: Aaron M. Schoenfeld and Ross E. Dermott	Attorney Docket No.: 501333.01
Filed	: Concurrently Herewith	
Title	: CIRCUIT AND METHOD FOR CONTROLLING A CLOCK SYNCHRONIZING CIRCUIT FOR LOW POWER REFRESH OPERATION	

GENERAL AUTHORIZATION

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

With respect to the above-identified application, the Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required and to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time and to charge any fees which may be required during the course of prosecution, or credit any overpayment, to Deposit Account No. 50-1266.

Date October 9, 2003

Kimton N. Eng
Registration No. 43,605

KNE:asw

1420 Fifth Avenue, Suite 3400
Seattle, WA 98101-4010
(206) 903-8800
Fax (206) 903-8820

H:\IP\Documents\Clients\Micron Technology\1300\501333.01\501333.01 gen auth.doc